



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141680

Mode: Highway

Status: Submitted

NC-46

From/Cross Street: Virginia State Line

Specific Improvement Type: 16 - Modernize Roadway

To: NC 48 in Gaston

Project Category: Regional Impact

Length: 10.41

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$8,587,000

Description:

Currently a 2-lane major thoroughfare from the Virginia State Line to NC 48 (TIP#U-2419), this project recommends to upgrade the existing facility to 24 feet w/ paved shoulders; while modifying sharp horizontal curves. This would provide safer maneuvering in a 12-foot lane; while tying in bike lane recommendations.

Division(s): Division 1

County(s): NORTHAMPTON

MPOS(s)/RPO(s): Peanut Belt RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 42.09

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (15%) 48.36	Percent: 15% Points: 100	Percent: 15% Points: 100
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 0.00		
Congestion (V/C) (15%) 15.58		
Totals: Weight: 70% Weighted Score: 12.09		

Division Needs Total Score: 33.89

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 15.58	Percent: 25% Points: 100	Percent: 25% Points: 0
Safety (10%) 48.36		
Lane Width (10%) 25.00		
[Paved] Shoulder Width (10%) 0.00		
[Travel Time] Benefit/Cost (10%) 0.00		
Totals: Weight: 50% Weighted Score: 8.89		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	10.41
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	3648.57
Capacity:	15500
Volume/Capacity Ratio:	0.24
% Autos:	94%
% Trucks:	6%
Truck Volume:	221.67
Crash Density:	52.55
Crash Severity:	46.36
Critical Crash Rate:	46.17
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	27
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	95
Actual Congested Speed:	49.08
Travel Time Index:	1.12

Project Benefits

Project Cross-Section:	3A - 2 Lane with Two Way Left Turn Lane, and Paved Shoulders
Speed Limit:	55
Length (miles):	10.41
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Northampton County Comprehensive Transportation Plan
CTP/LRTP Completion Year:	2012
Submitted by:	Peanut Belt RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Peanut Belt RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$8,587,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$8,587,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$8,587,000	